DVI-DL KVM Splitter
with Advanced EDID Function

Specifications

	DDAG-221
Number of Console Ports	2
Number of Computer Ports	1
Cable Type	DVI 2-to-2 Cable for PC connection
Applicable to Computer	PC, Sun, Mac
Video Resolution (Max.)	DVI-SL supports up to 1920 x 1080, 1920 x 1200 DVI-DL supports up to 2560 x 1440, 2560 x 1600
EDID Copy Button	1
USB Hub function Switch	1
DVI-SL / DVI-DL Switch	1
Computer Connectors	Keyboard + Mouse + Monitor + Audio	USB-B x1 DVI-DL x 1 3.5mm Audio Jack x 1
Console Connectors (Per Port)	Keyboard	USB x 1
	Mouse	USB x 1
	Monitor	DVI-DL x 1
	Audio	3.5mm Audio Jack x 1
USB Hub		x 3
Power Consumption (Max.)		DC 5V, 730 mA
Dimensions H x W x D		38 x 128 x 85 (mm)
Weight		400 (g)

Limited Warranty

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Installation

1. Plug one or two monitors to the video output ports.
2. Plug laptop or computer to video input port.
3. Connect the stereo audio speaker to 3.5mm earphone jack (if necessary)
4. Apply the power to the unit. After finishing the installation you may turn on laptop or computer

Cable Suggestion

1. Use only Dual-Link or Single-Link cable connecting to the Unit at the same time, mixed connection configuration MUST not be used.
2. Use Dual-Link cable to support resolution above WQHD (2560 x 1440)
3. If using Single-Link cable to connect with monitor, it only provide the resolution of Single-Link specification.
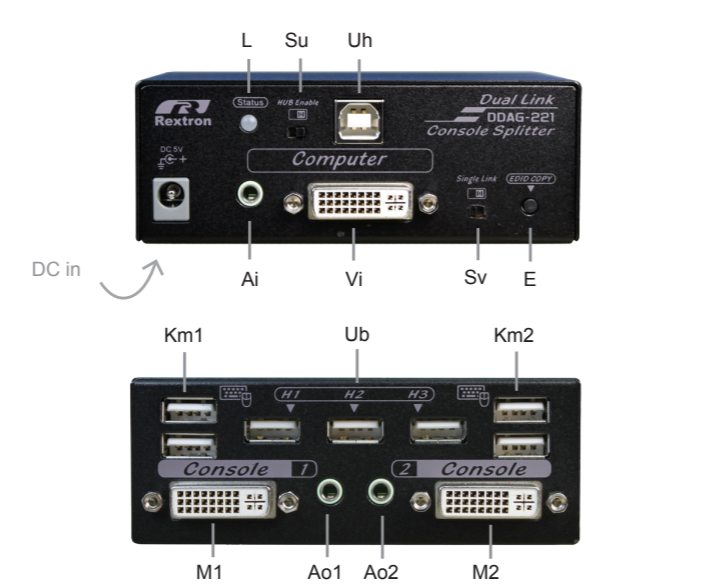
LED Indicator

Status LED Indicator

LED	STATUS
Flashes Blue and Green	Power on
	Power on and monitor detected (M1≠M2)
Steady Blue	Power on and monitor detected (M1=M2)

Operation

If users encounter no screen display in computer connection, you may...
1. Make sure the device cables are correctly and firmly attached.
2. Set your display device's (TV, monitor, etc.) input source as DVI.
3. Check the PC BIOS configuration about the video output setting.
4. Connect your video source to the display DIRECTLY to check if the video signal gets through.

Product Description

E	EDID Copy Button	Press this button 3~4 seconds to copy the monitor's EDID data
Su	Slide Switch	USB Hub function ON / OFF Switch
Sv		DVI-SL / DVI-DL Switch
Vi	DVI Input	Connect to PC for video source
Ai	Audio Input	Connect to PC for audio source
L	Status LED Indicator	Indicate power and video souce status
Km1 / Km2	Keyboard & Mouse port	Connect to Keyboard and Mouse
Uh	USB Host	Connect to PC
Ub	USB Hub	Connect to USB devices (If **Su** switch OFF, USB Hub function will be turned off.)
M1 / M2	Video Output	Connect to monitor
Ao1 / Ao2	Audio Output	Connect to speaker

NOTICE:
1. Set the Slide Switch to DVI-SL or DVI-DL before you power on the unit.
2. The splitter unit is required to connect to the computer before the computer powered on.
3. It is recommended using identical brand and type of displays.
4. The quality of the output signal will depend largely upon the quality of video source, cable and display device used. Low quality cables degrade output signal causing elevated noise levels. Please use the proper cable and make sure the display device is capable of handling the resolution and refresh rate selected. Interference from nearby electrical devices can have an adverse effect on signal quality as well.
5. Two users can access the unit simultaneously.

EDID Configuration

In some cases users may suffer from display problems due to incorrect EDID communication between the display monitor and the PC graphics card or insufficient EDID data programmed by display manufactures. The Unit provides many ways of EDID reading that allows to read the necessary EDID information from the attached video display and then provides it at all times to the attached computer. If no new EDID information is available from a display, a default profile in the Unit is automatically provided instead.

To efficiently achieve EDID communication when the computer is booting up, users are required to implement the EDID Configuration on the Unit before the operations. Functions describe as below:

Copy (New) Monitor EDID

Users manually achieve this EDID communication by following the instructions
Step 1. Connect the monitor (EDID compliant) to the *Video Output Port (M1)* on the Unit and power on the monitor.
Step 2. Press the button "EDID COPY" and release the button RIGHT AFTER Status LED flashing GREEN. (3~4 sec)
Step 3. Status LED flashes GREEN and RED alternately and then returns to normal status indicating EDID copy is completed.

Otherwise, if Status LED flashes RED, it means that
 a. The monitor is not properly connected.
 b. The monitor is not powered on.
 c. EDID data of the monitor is not applicable.

Features

● Up to 2 keyboards, mice & monitors can be connected to one PC
● Access one PC from multiple control locations
● Built-in hub for multiple USB devices
● Compliant with USB 2.0 (low / full speed) standards
● Available with optional stereo audio
● Plug-n-Play system configuration
● Simple LED indicatior makes operation user-friendly
● Unique EDID Auto Learning function ensures accurate output display
● Read and store the EDID from the connecting display to the video extension system
● Support up to 2560 x 1600 resolution
● Compatible with most of the popular screen resolution to XGA, SXGA, UXGA, WSXGA ....Full HD, WUXGA system

Package Contents

KVM Splitter	x 1
Power supplies	
USB Power Cable	x 1
Power Adapter Set (option)	x 1 (set /pc)
Power Adapter with necessary AC Cord	
or	
Plug-in Power Adapter	
User's Manual	x 1
Foot Pad Set	x 1
Optional:	
Audio Cable	

EDID Auto Learning

EDID Auto Learning is a spontaneous process. It will automatically sync your displays' EDID to the source whether users implement EDID Copy or not.

EDID Auto Learning Process

Monitor Numbers	Monitor EDID	EDID Copy	System EDID (Implement EDID)
One Monitor Connected	Unavailable	No	Use Default EDID
	available	No	Use Monitor's EDID
		Yes	Use Copied EDID (Monitor's EDID = Copied EDID)
			Use Monitor's EDID (Monitor's EDID ≠ Copied EDID)
Two Monitors Connected	Unavailable	No	Use Default EDID
	available	No	Use Default EDID (M1 ≠ M2)
			Use Monitor's EDID (M1 = M2)
		Yes	Use Copied EDID (M1 ≠ M2 ≠ Copied EDID)
			Use Copied EDID (M1 = M2 = Copied EDID)
			Use Monitor's EDID (M1 = M2 ≠ Copied EDID)

Factory Default Setting

In case your settings are misbehaving, resetting it to the factory default might be just the way you are looking for.
Step 1. Apply power to the Unit. Press and hold the button "EDID COPY".
Step 2. Release the button RIGHT AFTER Status LED flashes RED. (5~6 sec)
Step 3. Status LED flashes GREEN and RED alternately and then returns to normal status; it indicates that the setting is completed.

User's Manual

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□ The final specification is the actual product based.
□ Features and functions may be added or changed after the manual was written. Please visit our website to download the latest version of manual for reference.

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Troubleshooting

Symptom	Possible Cause	Solution
Video does not display on some ports	DVI specification of the source devices doesn't match the DVI specification of DVI cable and/or the DVI display device	There are three DVI standards: DVI-I, DVI-D, and DVI-A. Make sure that DVI specifications of the source devices, cables, and monitors all match. NOTE: Some monitors are able to support multiple DVI signals. Check if the splitter unit has been connected to the source computer before the computer powered on
Erratic behavior	Splitter may not receive enough power	Please check the power adapter attached to the splitter if it matches the system specifications, and if it is functioning properly.
Not receiving picture or sound	Wrong installation process	The video splitter requires at least one monitor connection before powering on the source device.
	The signal source may require the display device that is HDCP compliant.	Check if the display monitor is HDCP compliant. HDCP prevents the transfer of digital content to unauthorized HDMI devices.
	The display monitor is added to the unit by hot-plug, but the video source may not support hot-plug.	Check if the video source supports hot-plug. If it doesn't, shut down the source device and reboot it again.
	The attached devices are not well connected.	Check if you have connected your components correctly